

தமிழ்நாடு பிரதீகேய அரசு

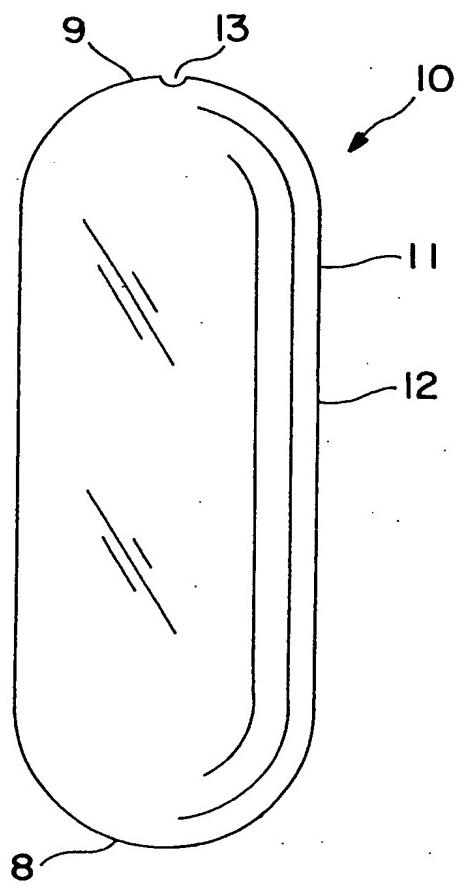


FIG. 1

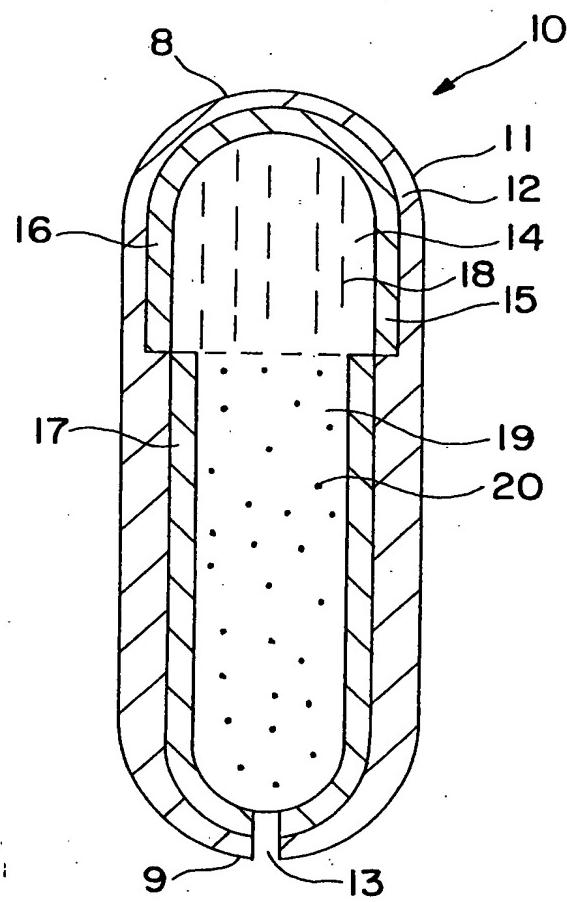


FIG. 2

புதிதாக கொடுத்த பாதிகள்

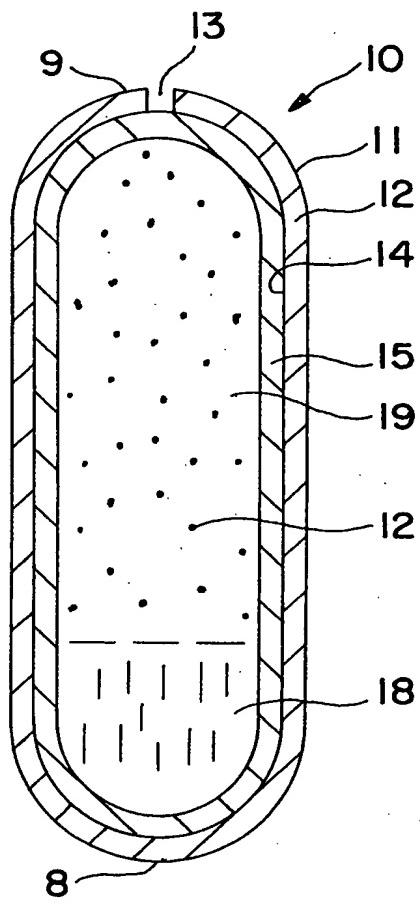


FIG. 3

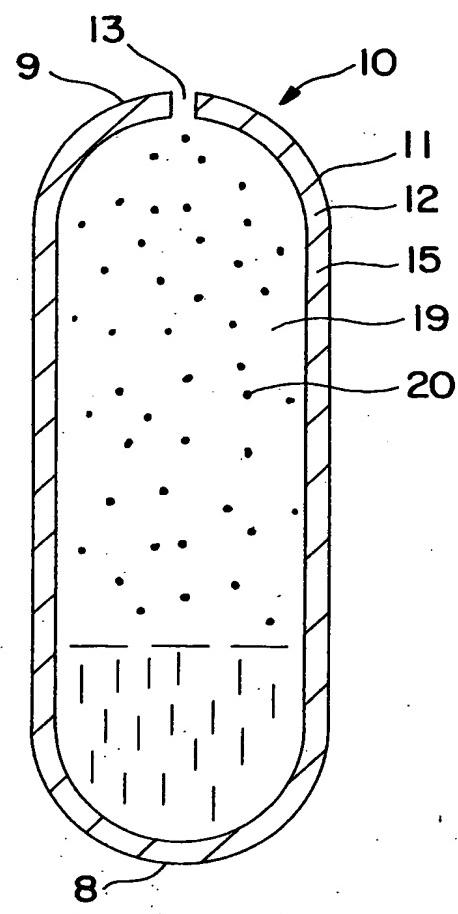


FIG. 4

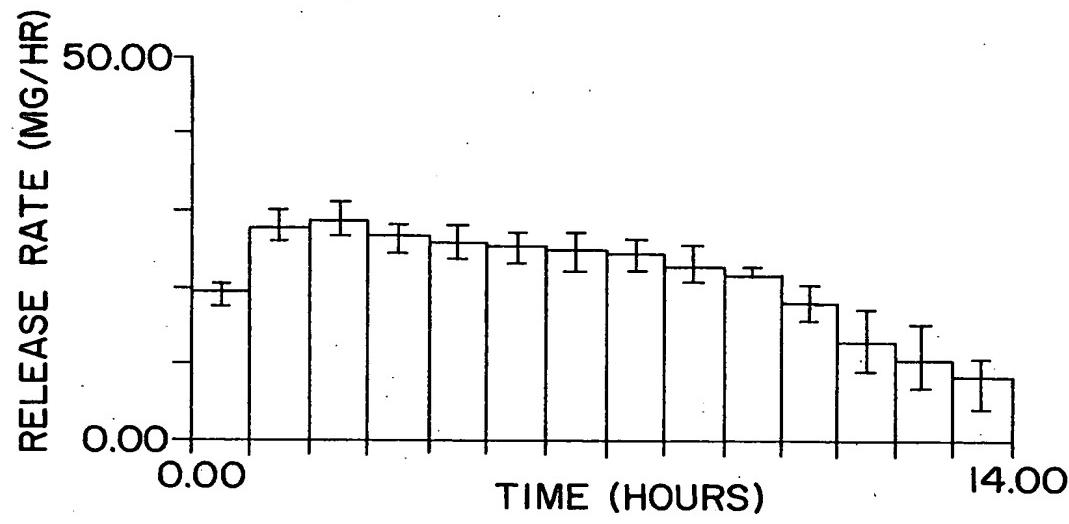


FIG. 5A

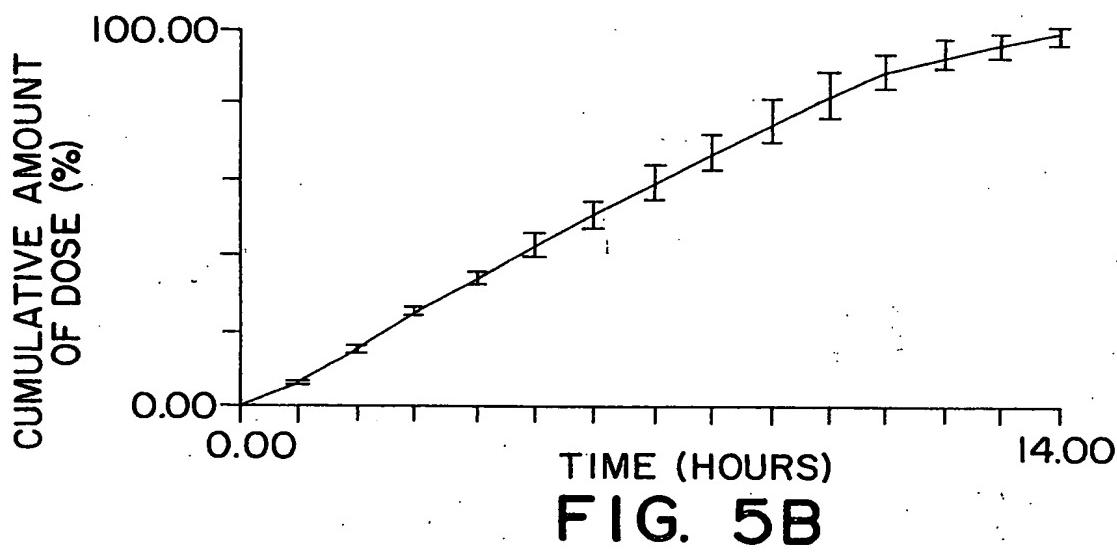
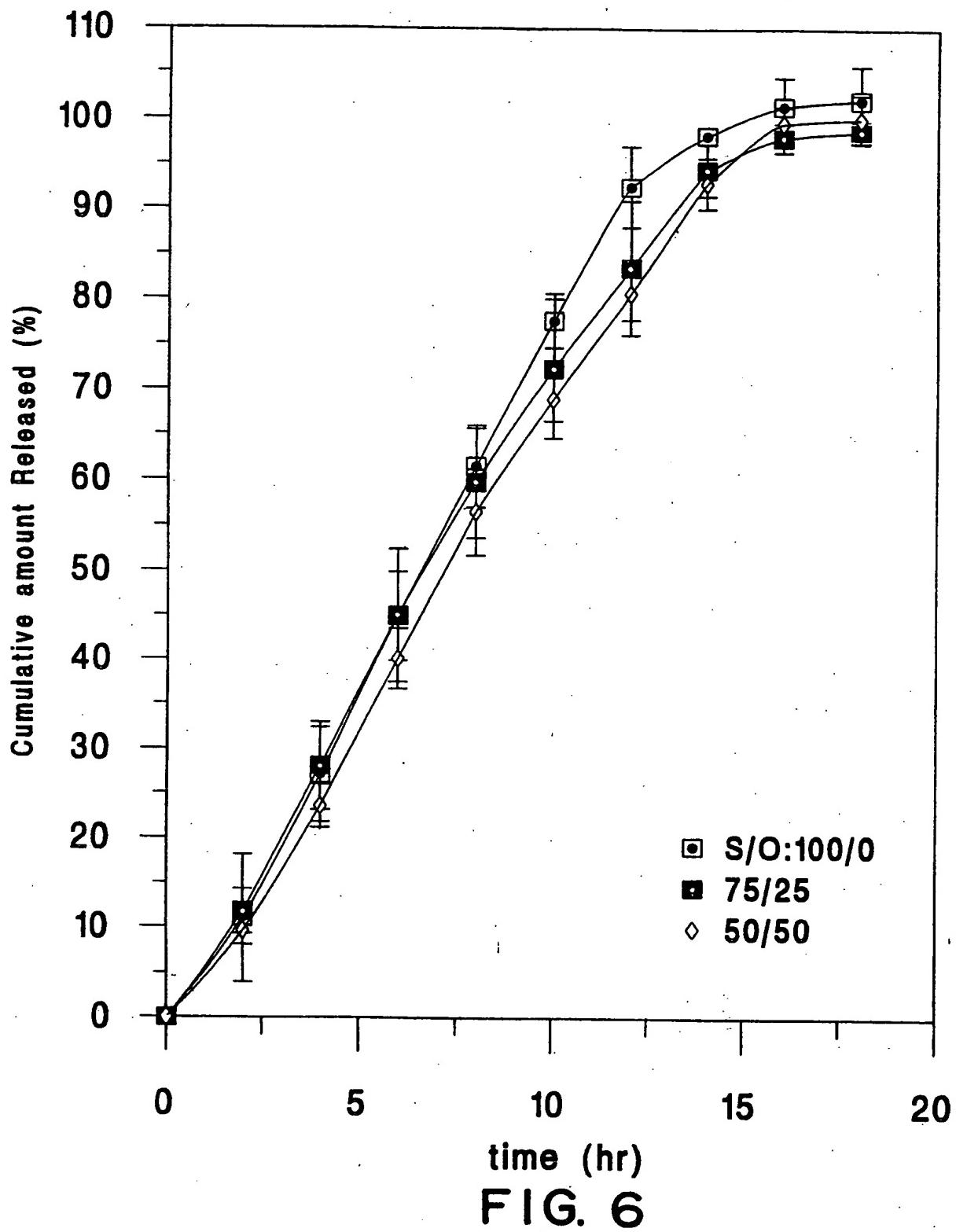


FIG. 5B



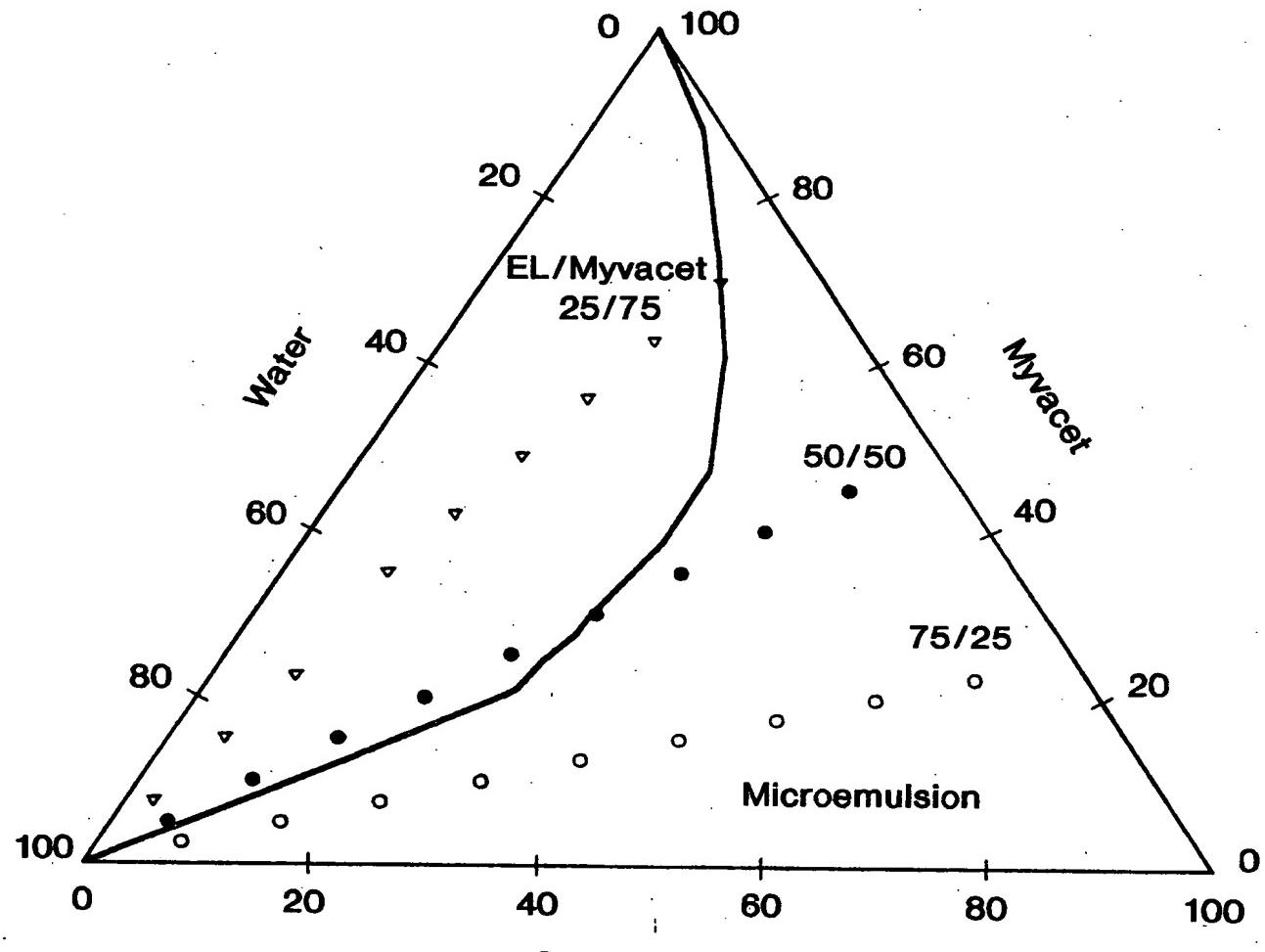
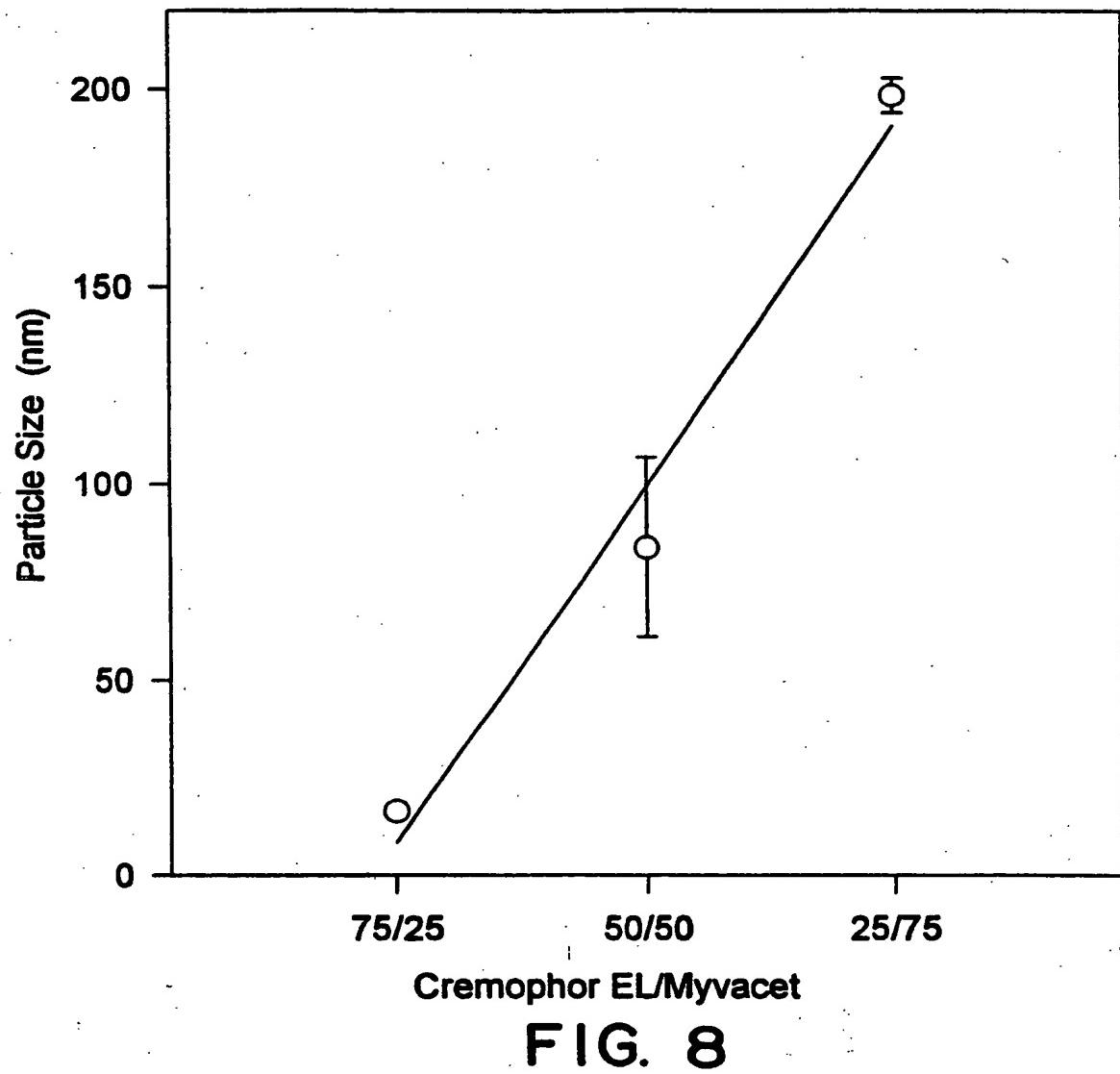
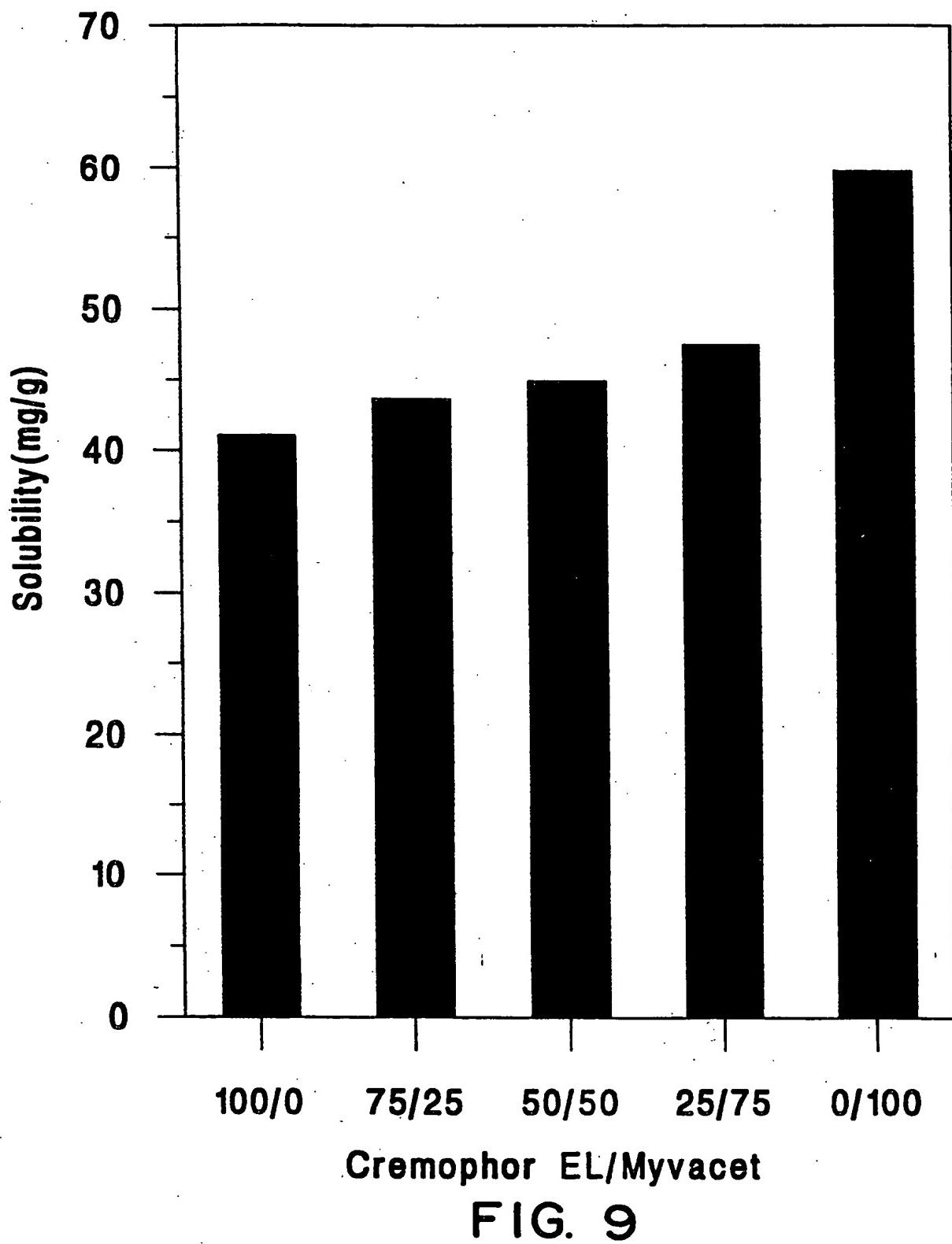


FIG. 7





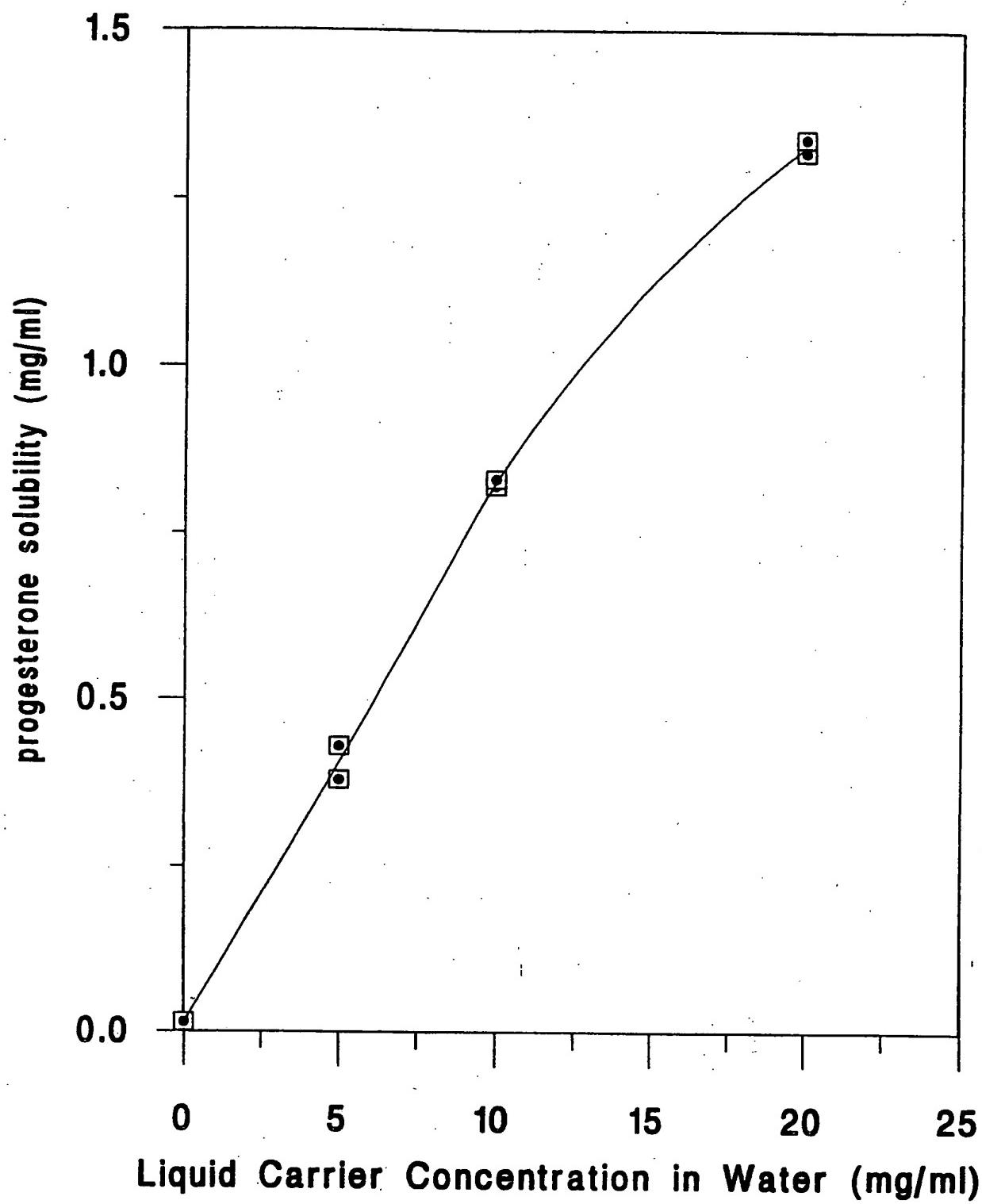


FIG. 10

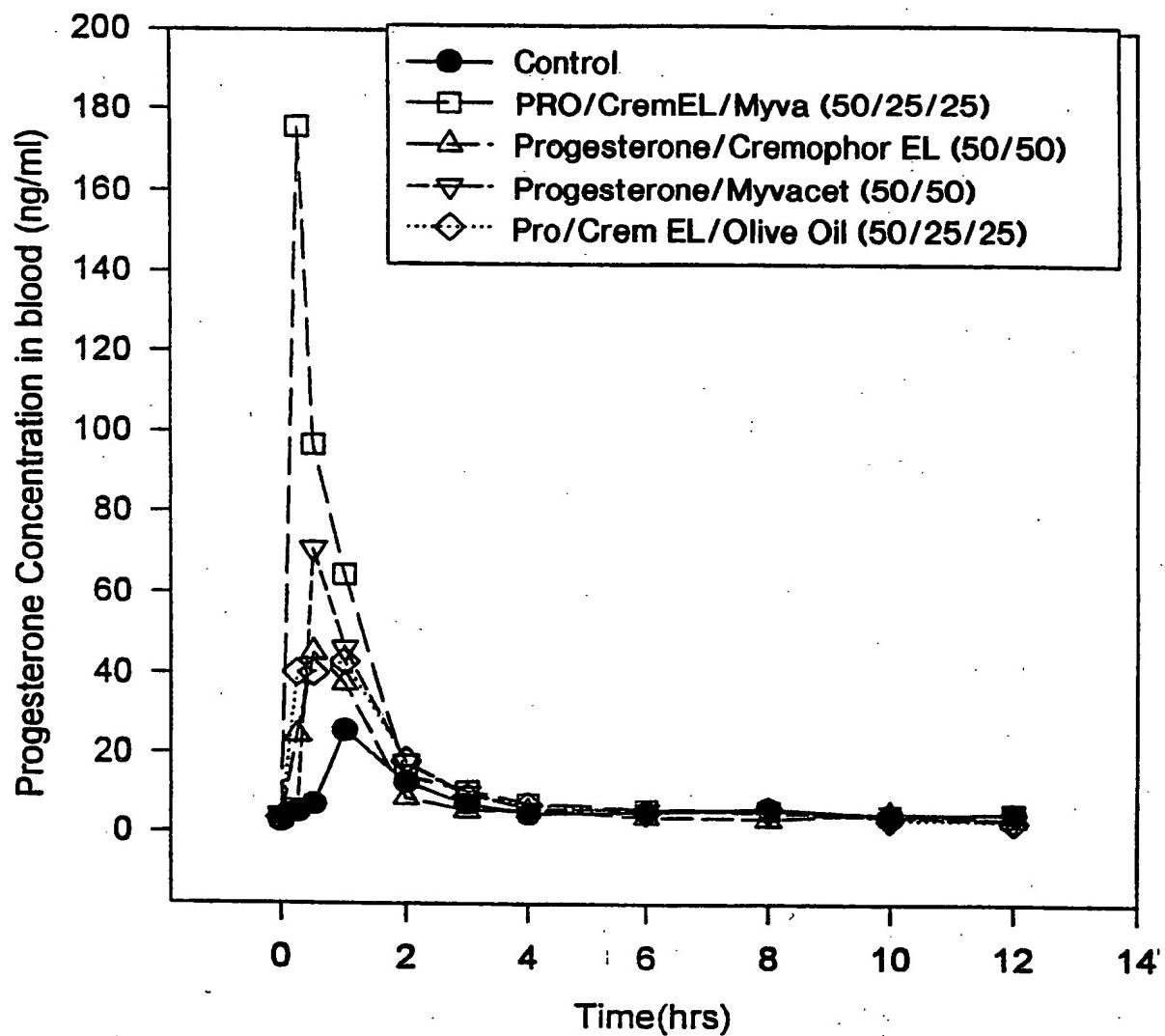


FIG. II

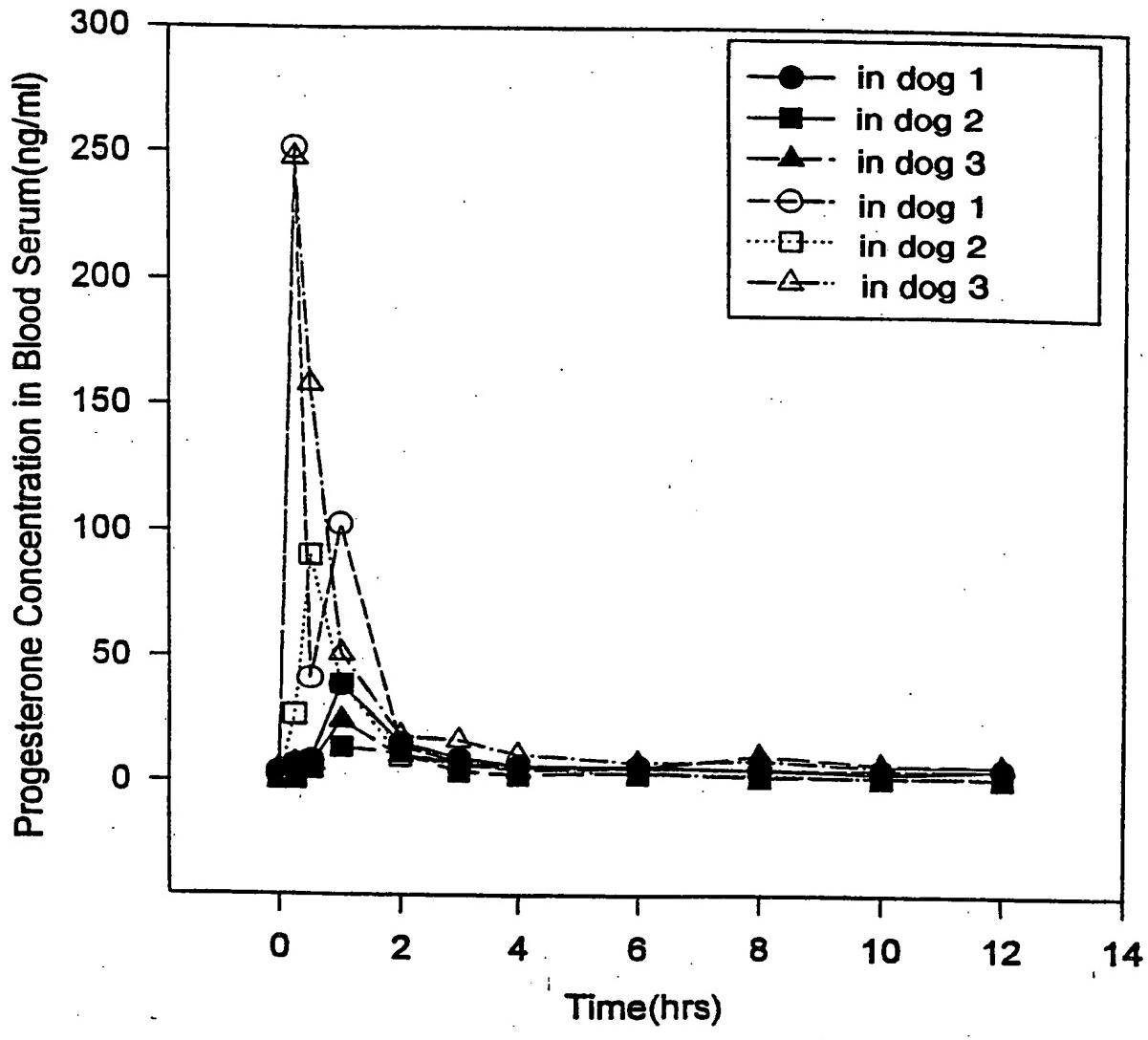


FIG. 12

பெரும்பால் தீவிரமாக விடுதல்

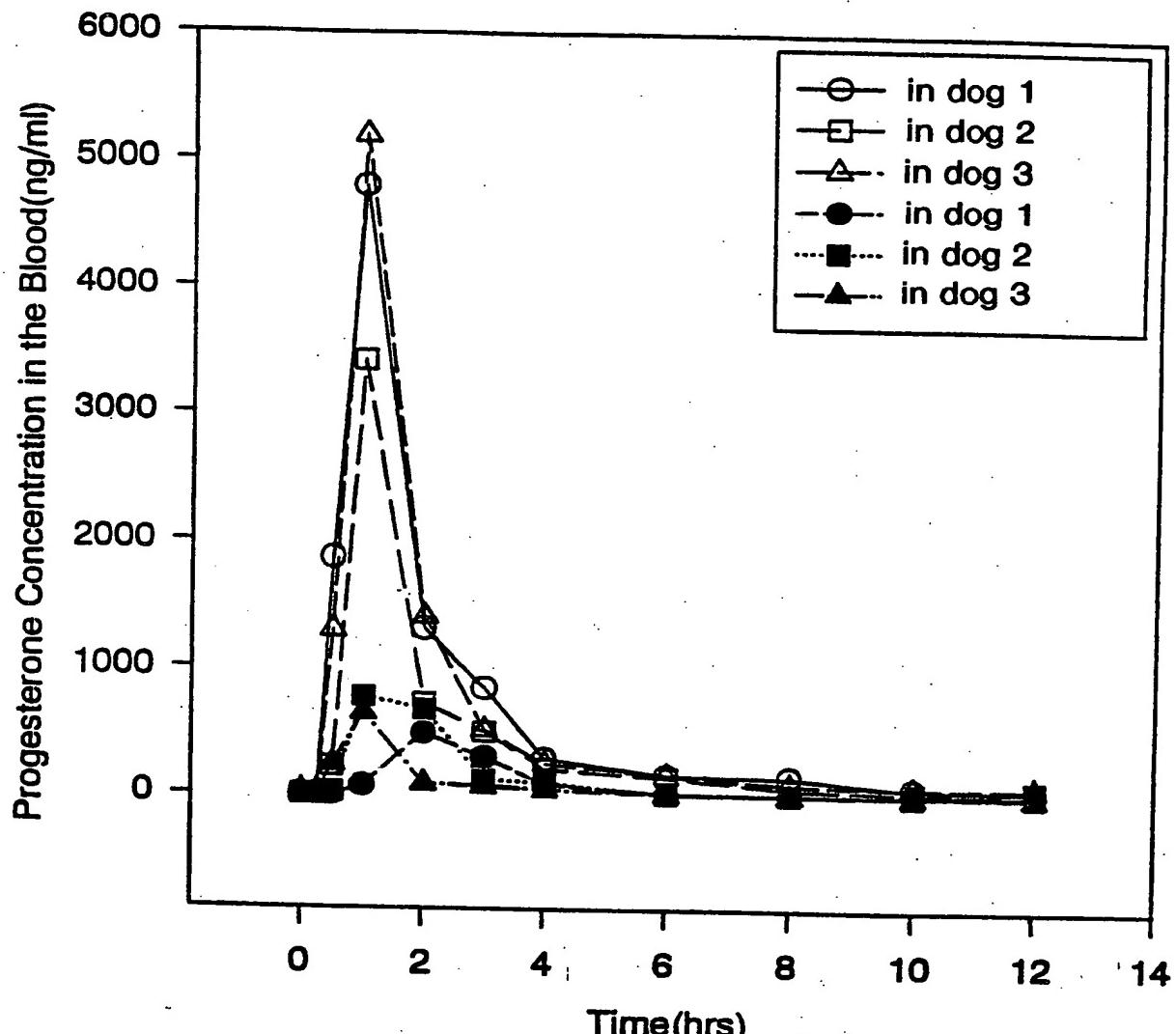


FIG. 13

Pharmacokinetic Data for Oral Progesterone Formulations Dosed to Dogs (40mg)

Formulation #	T _{max} (h)			C _{max} (ng/ml)			AUC (ng/ml*h)			#Relative BA % Average (s.d.)
	Dog 1	2	3	Avg	Dog 1	2	3	Avg (s.d.)		
1	1	1	1	1	38.4	13.9	24.4	25.6(12.3)	104	104 100
2	0.25	0.50	0.25	0.33	252	90.8	248	197(92)	226	113 265 232(21)
3	0.50	0.25	0.50	0.42	53.4	57.7	33.7	48.3(12.8)	109	95 102 130(50)
4	0.5	1	1	0.83	174	57.1	30.4	87.2(76.4)	167	289 73 176(108)
5	0.5	1	0.25	0.58	57.2	70.8	74.7	67.5(9.1)	114	342 86 181(141)

AUC is calculated by trapezoidal rule from time zero to the last blood sampling point (12h).

The relative bioavailability is the ratio of AUC for liquid formulations to that for laqueus drug-layer formulation.

Components	Formulation #				
	1	2	3	4	5
Progesterone	60	4	4	4	4
Mannitol	21				
Ac-di-sol	10				
Myjji 52-s	5				
HPMC E-5	3				
Mg stearate	1				
Cremophor EL				96	
Myvacet 9-45					48
Olive oil					48

FIG. 4

**Pharmacokinetic Data for Emulsion Progesterone Formulation and
Nonemulsion Push-Pill Drug-Layer Formulation (300mg dose)**

Formulation #	T _{max} (h)			C _{max} (ng/ml)			AUC (ng·ml ⁻¹ ·h)			Relative BA (%) Average (s.d.)		
	Dog 1	2	3	Avg	Dog 1	2	3	Avg (s.d.)	Dog 1	2	3	Avg.(s.d.)
Nonemulsion	2	1	1	1.33	489	778	649	639(145)	1101	1715	898	1238(425)
Emulsion	1	1	1	1	4800	3420	5180	4467(926)	7715	4708	7418	6614(1657) 600 (289)

AUC is calculated by trapezoidal rule from time zero to the last blood sampling point (12h).
The relative bioavailability is the ratio of AUC for liquid formulations to that for MPA-22 drug-layer formulation.

Formulation Composition (wt%)		
Components	Nonemulsion Drug-Layer	Emulsion Oral Formulation
Progesterone	60	50
Mannitol	21	
Ac-di-sol	10	
Myji 52-s	5	12.5
HPMC E-5	3	
Mg stearate	1	
Cremophor EL		25.0
Myvacet 9-45		12.5

FIG. 15